

COMPRESSION FEED DEVICE FOR HIGH HUMIDITY FUEL GAS

ABSTRACT OF THE DISCLOSURE

A device for compressing and feeding to a microturbine power generator a high humidity fuel gas such as biogas, which cools the high humidity fuel gas condensed by the compressor using an air-cooling type fin-tube radiator, condenses and liquefies the moisture, then removes it by a moisture-removing means such as a gas/liquid separator or adsorption type moisture-removing tank, which requires only enough power to drive a cooling fan, which heats the fuel gas from which the majority of the moisture has been removed in a heat exchanger utilizing the heat of compression generated in the compressor, then feeds it to piping leading to the microturbine power generator, and which is free from the residual moisture liquefying and freezing even if the fuel gas is cooled in the piping.